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Nova University News, May 1975

Nova University

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Gas Extender Developed In Life Sciences Lab

Tamers Hopes To Help Cut Dollar Drain To Arabs

A synthetic gasoline, which could be mixed in with ordinary automobile fuel up to 20 per cent, has been developed by Dr. Murry Tamers of Nova University's Physical Sciences Center.

The Nova chemist makes his fuel — a non-petroleum benzene — from waste chars shipped from a chemical industry in New Jersey. It can also be made from coal or coke, limestone, sea shells and other native raw materials, says Tamers, who has been working intensely on the details of the process for the past year-and-one-half at Nova.

"The possibility was not investigated seriously before because it was completely impossible economically until the Arabs quadrupled the price of their petroleum," says Tamers. He estimates the price of the synthetic benzene to be at the highest 31 cents per gallon, and possibly as low as 25 cents per gallon, not counting taxes.

"We do not expect that it would be the entire fuel, definitely not," Tamers explains. "It would be mixed in to an extent of 10 to 20 per cent with ordinary unleaded gasoline.

"What we are trying to do is replace a part of the import of petroleum with this material that is made from non-hydrocarbons.

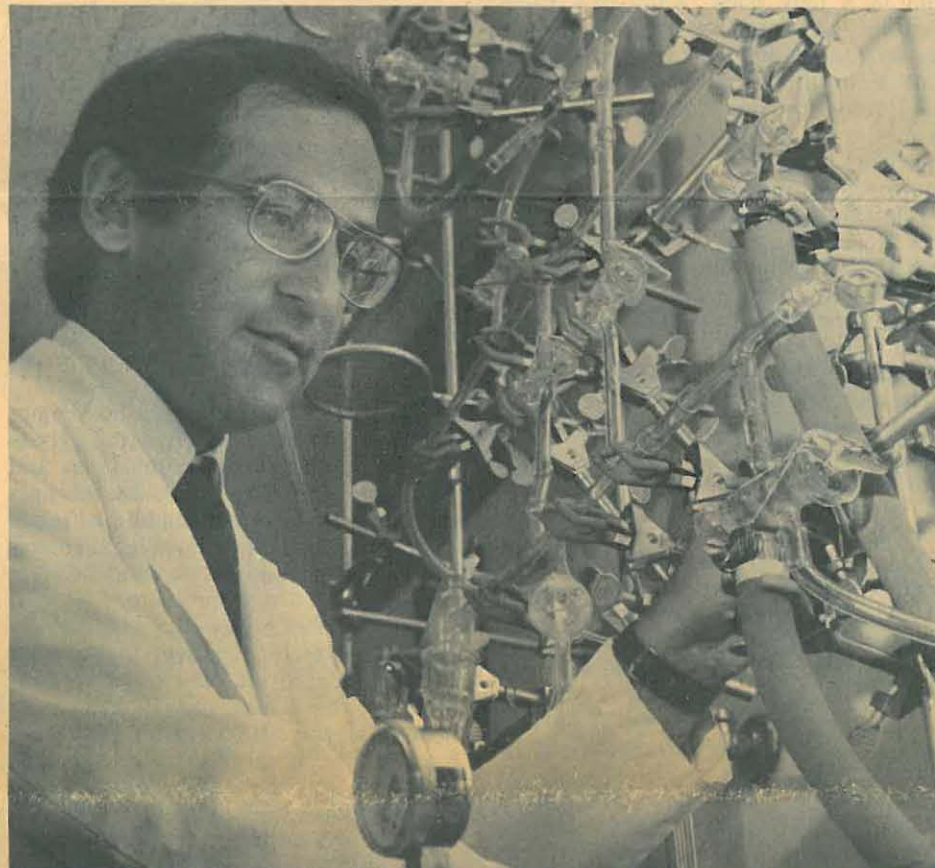
"This synthetic gas has an octane number of 108. The gas you use in your car right now is approximately 90," he points out.

"Benzene has no lead, no sulphur or nitrogen. It has a 20 per cent greater heat of combustion than gasoline. In other words, you get more miles to the gallon, maybe 10 or 20 per cent more mileage.

"It is non-corrosive. It mixes in all proportions with ordinary gasoline, at all temperatures. It can be used in winter or summer. It has the right boiling point, does not absorb water and can be used up to 20 per cent in present engines without any modification at all," says Tamers.

The process of making the colorless liquid from black char takes approximately six hours in Tamers' Nova laboratory.

"Essentially the process consists of



attacking the raw material with a molten metal under certain carefully controlled conditions. After this cools down, we add water to this process and a gas is formed which we purify in special ways. We then convert this gas to benzene, to our clear liquid. The yield is almost 100 per cent.

"The benzene comes out crystal clear and has virtually no impurities. It can be poured directly into the gasoline."

Tamers has added it to his own car's gas tank to good effect.

"I should say that the process involves no high pressures, which makes it much less expensive than most other coal liquification techniques," he adds.

Tamers first developed the total benzene synthesis 15 years ago while working at the University of Texas. "We were interested in radiocarbon dating of water and were working on the process

for a completely different reason. It was an analytical tool for us," he explains.

"I forgot about it for awhile because I could not see any way of reducing the price of making it," says Tamers. "Since the price of petroleum has been quadrupled I suddenly realized that we were now almost one-half the price of unleaded gasoline made from imported petroleum.

"I don't want to say that benzene could completely replace imported petroleum. What we imagine is that an industry using our type of internal combustion fuel would cut down the imported petroleum by something like one- to two-million barrels a day.

"Last year \$24 billion left the country to pay for petroleum," Tamers points out. "This, rather than oil depletion or shortages, is the real problem for us."

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Nova Launches Economic Conferences

A second session of the Nova University Executive Conference was held April 25th, at the suggestion of those who participated in the first session March 15.

The Conference is a new "forum of business and industry" for Broward County. Participants are executives representing various segments of the local economy and persons in economic research positions.

The initial session, attended by approximately 50 persons, explored the theme, "Where do we stand, where are we going, and how can we help each other?" The meeting brought together for the first time a body of individuals representing such diverse interests as finance, land development, manufacturing, retailing, real estate, tourism, construction, the service industries and others.

Speakers included Charles F. Radice, vice president of the Radice Realty & Construction Corporation and president of the Florida Improvement Association, an organization of developers; Karl B. (Chip) Block, Jr., vice president of the Arvida Corporation; Philip N.



Dr. Fischler and H. C. Satchell president of First National Bank of Hollywood.

Cheaney, president of the First Federal Savings and Loan Association; A. J. W. Novak, president of Novatronics and chairman of the Broward Industrial

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Tour Groups Visit Campus



Visitors From Palm Aire And Cypress Bend Visit Dr. Murry Tamers' Laboratory

A series of tours designed to acquaint the South Florida community with Nova University's programs and facilities has been initiated by the Office of Development.

On March 20th, residents of Palm-Aire and Cypress Bend visited Nova, 40 cancer volunteers from Tamarac, headed by Mrs. Betty Caplan, on April 17th; 40 residents from Galahad Three in Hollywood on April 23rd, and a group from Natura on May 9th.

The program includes a film on Nova University, shown in Dr. Richard Bell's TV laboratory, and an explanation of his program in learning technology.

Dr. Doil Montgomery next explains biofeedback research at Nova, with a laboratory demonstration.



Dr. Doil Montgomery Fixes Biofeedback Equipment On Forehead of Palm-Aire's Penny Davis, Social Directress.

The visitors have a quick tour of the Law Center, followed by a talk on research by Dr. Joel Warren in the Life Sciences Center. A tour of the Center and The Leo Goodwin Institute for Cancer Research completes the tour.

Transportation is provided by Nova

University and refreshments are served in the Mary Ellen Young Room.

Anyone interested in being included in future programs or signing up for a tour should call either Mrs. Kathleen Sabourin or Mrs. Carol Houlihan at 587-6660, Extension 254.

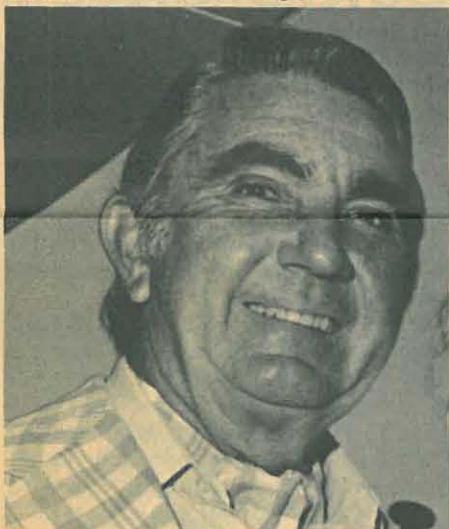
Nova University Board of Trustees Profile: Cy Young

This is the first in a series of articles on Nova's Board of Trustees.

The University has moved rapidly toward a new era in both education and community service under its current chairman of the Board of Trustees, M.R. (Cy) Young of Fort Lauderdale.

Young succeeded James Farquhar, the founding chairman, when Farquhar chose to step down after nearly 10 years in the position, in order to have more time for other civic responsibilities and travel.

Young is a business man and investor who came to Fort Lauderdale in 1956 from Baltimore, Maryland. He was the city's mayor during 1963-65. In 1966 he was considered a leading candidate for



the Republican nomination for governor of Florida, until he withdrew in order to support Claude Kirk, Jr., who was elected.

He operated the Young Chrysler-Plymouth automobile agency for several years after arriving in Fort Lauderdale, but disposed of the business in order to become an importer and engage in land development. He was owner-president of the Ocean Manor Resort Hotel in Fort Lauderdale for a time, and a principal in the development of the Ocean Club condominium.

Young has been active in the leadership of the Fort Lauderdale Symphony Orchestra and countless other civic enterprises in this area. He serves on

the boards of a number of banks, is a trustee of Pine Crest Preparatory School, and of Florida Presbyterian Homes in Lakeland.

Young is a descendant of one of the original settlers of Jamestown, Va., one Ensign Thomas Savage, who arrived in the colony in 1608 as cabin boy aboard a supply ship. Savage was given to the Indians by the ship's captain, but grew up to become an important interpreter between colonial officials and Indian leaders, a landowner and a planter.

Descendants of Savage fought in the revolutionary War and the War Between the States, and for generations were prominent among the First Families of Virginia. The story of Ensign Savage and his descendants has been told in a new book, "America's First Family: the Savages of Virginia." Written by August Burghard, Fort Lauderdale historian and a close associate of the University, the book shows that the family is the only one able to claim an unbroken line from the first settlement of America to today.

Chairman Young was born near Norfolk, Va., son of a farmer, garage owner and trucking company operator, M.R. Young, Sr.

He graduated from the Virginia Polytechnic Institute at Blacksburg, working his way by operating an auto repair shop and driving a bus for the school athletic teams. He has since endowed a chair in the VPI Department of English and Foreign Languages in the memory of the director of athletics during that period, C.P. Miles.

Young received a degree in industrial engineering from the Institute, then became a naval aviator in World War II and was discharged as a lieutenant commander. He went into the automotive industry following the war, and spent eight years with General Motors and 11 with Chrysler before moving to Fort Lauderdale.

As the current Chairman of the Board of Trustees, he is taking an active role in such developments as the expansion of the Law School, the organization of the Advisory Board of the Oceanographic Laboratory, the enlargement of Gold Key, and the establishment of the Nova University Executive Conference.

Law Center Sets Goals

Providing excellence in education for future lawyers and service to the social needs of the community have been established as the primary goals of Nova University's Center for the Study of Law, with the endorsement of a group of the region's leading jurists and State Representative Karen Coolman.

The goals were agreed upon at a colloquium at the university attended by the chief judges of the Broward and Palm Beach County circuit courts, John Ferris and James Stewart; District Court of Appeals Judge Gerald Mager, Broward Circuit Judge Frank Orlando, Representative Coolman and Fort Lauderdale lawyer Diane Weaver.

Nova law professor Bruce Rogow and Dean Peter Thornton chaired the session.

"The participants agreed that law school education must begin to bridge the gap that exists between theory and practice," Professor Laurence M. Hyde, Jr. said.

"The development of a clinical program, in which law students work, under close supervision, with private and public lawyers, was suggested as one of the ways to prepare students for their future roles."

Judge Ferris suggested that the law school should incorporate the medical school approach, which permits direct contact between patient and student.

"The Law Center already has begun to build a clinical curriculum," Hyde said, but added, "the enthusiasm and support which were shown by the participating lawyers and public officials made it obvious that a good legal education needs to maximize a student's exposure to real legal problems."

Judge Orlando saw the clinical approach as a method of involving the Law Center students and their faculty advisors with the community in a socially beneficial way. He and Rep. Coolman agreed that by working with agencies and organizations which deal with social problems, the Law Center would be able to provide imaginative and creative legal thinking designed to aid in the solution of contemporary issues.

As a result of the colloquium, "the Law Center will begin to develop its goals and objectives to meet the two major needs," Hyde said.

"The views and insights of the panelists provided the Law Center faculty and students with a challenge to discharge both of those obligations."

Other colloquiums at the Nova Law Center organized by Professor Tom Baynes have included "Law and the Environment," "Law and Medicine," "Law and the Police," and "Law and Survival: Human Jettison."



New Director Of Financial Affairs Joins Nova Staff

Julian Weinberger has joined the staff of Nova University as director of financial affairs, Dr. Abraham Fischler, president, has announced. He will begin his duties in June.

Weinberger comes to Nova from Vanderbilt University School of Medicine and Hospital, Nashville, Tennessee where he has served as director of finance since 1972. He has also been associated with Albert Einstein College of Medicine and Hospital as controller, Lenox Hill Hospital in Manhattan, where he was director of accounting and management systems, and Rockland County Health Complex in New York, where he was director of accounting and data processing.

Weinberger is a graduate of Columbia University and holds a master of business administration from Bernard Baruch College.

He is married and has two children.

Message from the President

Nova University will pass an historic milestone on July 31, 1975. In its quest to develop excellence at all levels in the American educational system during ceremonies to mark our sixth national commencement, doctoral degrees will be awarded to the first graduates of the National Ed.D. Program for Educational Leaders and the Ed.D. Program for Community College Faculty.

That day will have special significance not only for all of the graduates but also for those members of the Nova University faculty and staff and their colleagues throughout the nation who have worked so diligently to make the program succeed.

Three years ago each of these individuals made manifest his or her belief in the proposition that academic quality could be developed and maintained in programs conducted outside existing educational formats and in a cost effective manner.

Each individual thus made a personal commitment to undertake the difficult task of turning the potential of a promising educational model into the reality of a viable quality program able to withstand the closest academic scrutiny and earn widespread, if somewhat grudging, respect.

Today the external degree model has been proven to be an innovative delivery system for quality education. Nova University operates external degree programs in education in 32 states and has a nationwide enrollment.

These programs benefit not only those who study in them but also the residents of the communities in which they are held. Nova University students have already made significant contributions toward enriching the educational and



cultural environments of many communities by developing and applying innovative solutions to pressing local problems.

Clearly, the external degree programs for Educational Leaders and Community College Faculty have achieved the potential seen for them by those who believed that an alternative educational system could and should be developed to meet the changing educational needs of our nation. I offer congratulations to the faculty and to the graduates, who will become the representatives and, I know, advocates of programs in alternative education.

It is the policy of Nova University to provide Equal Employment Opportunities, without regard to national origin, race, religion, sex or age except when sex or age are bonafide occupational requirements. The University has established a specific program of Affirmative Action to insure that its personnel policies pertaining to recruitment, hiring and promotion will guarantee equal opportunity for all.



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Helen Graham Looks Back At Nova's Past Ten Years

Helen Graham, former executive secretary to President Abraham S. Fischler, and present Director of Personnel, celebrated her 10th anniversary with Nova University in April. We have asked her to reminisce about the "good old days" when she started with the brand new university.

My first day of employment with Nova University was April 1, 1965. I worked for Dr. Arthur Wishart, special assistant to the president, who at that time, was a volunteer worker for Nova University. We were involved with attempting to stimulate the interest of the business community in Nova University. We ran business seminars and ac-



tively participated in the attempt to get the Florida legislature to declare Nova University as one of the recipients of the Charity Days at the Paramutuals. At that time, the success of this undertaking was a big achievement for Nova University. In fact, every time we received any kind of donation in funds or material gifts, it was considered an achievement — each brought us one

step nearer to being recognized as a going university.

After four months with Dr. Wishart, I became secretary to Duval Adams, who served as Assistant to the President and Business Manager. When the accounting firm handling the corporate books turned them over to the University, the bookkeeping task was added to my other duties. How well I remember those days. We had \$25,000 a month to live on and did we have to conserve. At that time, we had about 10 paid employees, along with the fund raising firm of Tamblin and Brown.

We worked nights and weekends, not only preparing proposals for government and foundation funding but to make the offices at 440 E. Las Olas Boulevard habitable. Someone donated venetian blinds to the University. I can remember the nights we measured windows and cut and shaped those old blinds to fit. We made cushions in our off hours for the hard wooden chairs we had to sit on and used sandpaper to smooth off the rough places on old desks and chairs.

When Dr. Fischler arrived at the University as Dean of the Education Center in August of 1966, I became his secretary and moved along with him as he assumed more responsibility.

In those days, there was a lot more personal contact among the employees. Before Dr. Fischler arrived permanently, I can remember meeting him, and at times his wife, Shirley, at the airport and spending days with them looking at houses and inspecting neighborhoods.

And then there were our first students, Mike Yost and Earl Hughes. You can imagine — two people giving up their homes and jobs and coming to a

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"LADY NELSON" TO NOVA — Mrs. Jules Nelson presents papers for the gift of the yacht "Lady Nelson" to Dr. Abraham S. Fischler, president of Nova University. Looking on are Jules Nelson, right, and Frank Atlass of John G. Alden, yacht and ship brokers. The presentation of the gift to the university took place aboard the 80-foot yacht during a party attended by trustees of the university and guests of the Nelsons from Philadelphia and London.

"Lady Nelson" Donated To Nova

The yacht "Lady Nelson," donated to the University by Mr. and Mrs. Jules Nelson, was accepted by Dr. Abraham S. Fischler March 7th.

The Nelsons, who reside in Bala-Cynwyd, Pennsylvania and London, hosted a cocktail and dinner party for officials

and trustees of Nova University aboard the yacht in Harbor West.

The 80-foot vessel which measures 33 feet in beam was built in England in 1970 and is the largest trimaran cathedral hull vessel in existence, according to Frank Atlass of John G. Alden, yacht and ship brokers. It is powered by twin 530 horsepower engines, carries a crew of five, and can accommodate six guests.

The black and beige "Lady Nelson" is constructed of mahogany, sheathed in fiberglass. Her super structure is aluminum and she is trimmed in varnished teak. The boat, which has cruised European and American waters, can carry 100 guests on her foredeck.

"I believe the work Nova University is doing makes it a worthy recipient of this gift," said Mr. Nelson, founder and former president of Film Corp. of America, in making the donation.

"The trustees and I are deeply grateful to Mr. and Mrs. Nelson for this magnificent gift to Nova University," said Dr. Fischler.

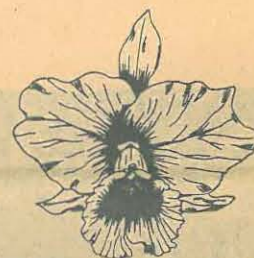


Jules Nelson with Mr. and Mrs. M. R. (Cy) Young



Mr. and Mrs. Eugene Ryan and Mrs. James Farquhar

Florida Derby Ball 1975



Serving as General Chairmen and working very hard and faithfully, Mr. and Mrs. Eugene Ryan of Boca Raton played the leading roles in making the Florida Derby Ball a success again in 1975.



Mr. and Mrs. Eugene Ryan

The gala social affair was held on March 25 at Indian Creek Country Club in Miami Beach. The event is sponsored each year by Gulfstream Park Racing Association and benefits Nova University. The Ball attracted four hundred people from Palm Beach, Broward and

Dade counties who dined and danced to the sounds of Marshall Grant's Orchestra.

The ballroom was a profusion of spring colors with wicker baskets filled with hydrangeas, forsythia, tulips and lilies of the valley and was graced by the presence of three generations of the Donn family of Gulfstream.

Intermittent strains of "Here She Is" accompanied the awarding of door prizes by master of ceremonies Bert Parks.

Mr. and Mrs. Ryan were assisted by various committee chairmen: Mr. and Mrs. Julian B. Leslie and Mr. and Mrs.



Mrs. James Donn, Sr.



Douglas Donn from Broward County; Mr. and Mrs. Arthur I. Appleton and Mr. and Mrs. Charles F. Chaplin from Dade County, and Mr. and Mrs. Frederick Van Lennep and Mrs. Sandy Snyder from Palm Beach County. Mr. and Mrs. Robert A. Steele were Menu Chairmen; Mr. and Mrs. John Roby Penn, Decorations; Mr. and Mrs. Robert Bogart Walker, Special Gifts; Program Chairmen included Mr. and Mrs. O. E. Hutchison; Mr. and Mrs. Wayne Puls and Mr. and Mrs. Leonard Taylor. Coordinator for the Ball was Mrs. Carol Houlihan.



Mr. and Mrs. Cy Young and Mr. J. Roby Penn



First Annual Law Banquet

The first annual student-faculty banquet of the Nova University Center for the Study of Law was held March 22nd at the Yankee Clipper Hotel on Fort Lauderdale beach. In spite of a 45 minute blackout participants enjoyed dancing and the entertainment of the Polynesian Room.



Dean Peter Thornton, Mrs. Thornton, Dean Jerome Prince



Mike Paris, Dean Lawrence Hyde, Mrs. Hyde, Mrs. Paris

Looking for Evidence???



The first annual Law School Golf Tournament was held April 2nd at the Country Club of Miami. Approximately 20 golfers set out to challenge the sand traps and dog legs at this popular course. The event was won by "Slamming Sam Bader," contracts professor, with a 78.

UNITED WAY LEADERSHIP AWARD is presented to Dr. Abraham S. Fischler, president, by Mrs. Marietta Benevento for the participation of Nova University in its recent campaign. A total of \$2,952.89 was contributed by 29 per cent of Nova's faculty and staff.



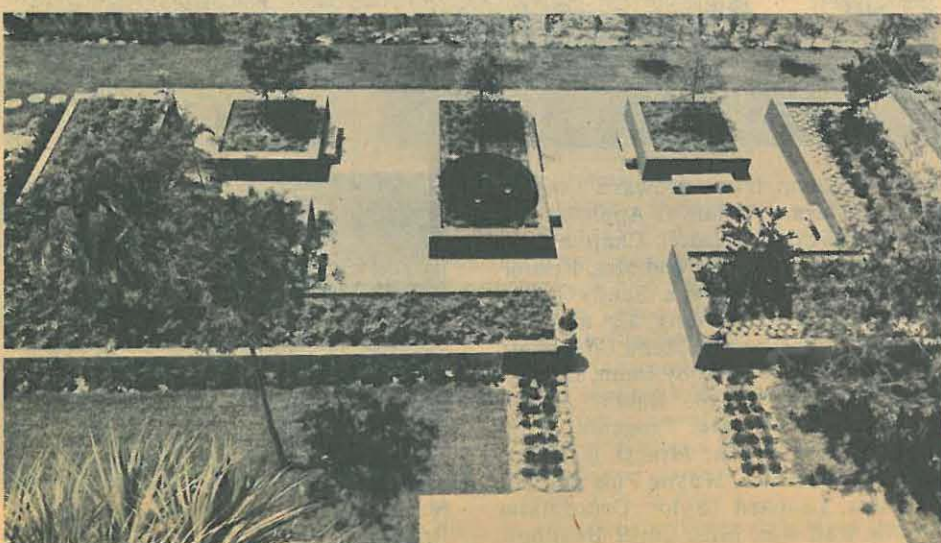
June Elaine Gordon Commemorative Park Is Dedicated

The June Elaine Gordon Commemorative Park in honor of the late Mrs. Robert Gordon of Hollywood was dedicated April 12th.

Mrs. Gordon was the daughter of Mr. and Mrs. Abraham Mailman who donated the garden in her memory.

Located on the west side of the Mailman-Hollywood Building, the park consists of 4,000 square feet divided into two sections: one fully paved area with raised flower beds, a fountain and benches, and the other a grassy area with picnic tables, trees and shrubs.

"The purpose of the park is to provide a quiet place for lunch and small meetings," says Dr. Milton Gabrielson, chairman of the project.



Abraham L. Mailman, Abraham S. Fishler and Dr. Marilyn Segal.

University School Dedication— A Family Celebration

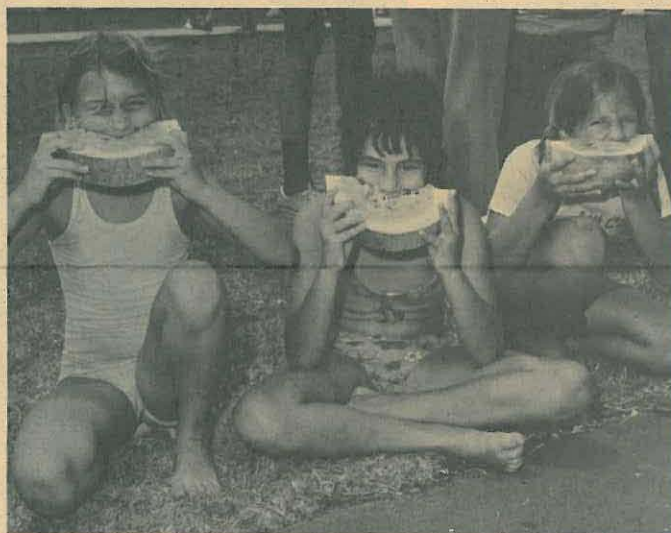


Dr. Edward Saltzman
Addresses The University
School Family

Parents, students and faculty of The University School celebrated the opening of its new building at 7500 SW 36th St. on April 12th.

Following a brief welcome by Dr. Edward Saltzman, chairman of the board of governors, visitors enjoyed a tour of the facilities.

Children and adults participated in a host of activities, including field activities, swimming, pony rides, tennis, dancing, etc. There were even strolling minstrels, thanks to the talents of The Performing Arts Group. Picnic suppers topped off the celebration with soda and watermelon supplied by the U.F.O. (United Family Organization).



Scaling The Tires on The Adventure Playground



Younger Children Enjoyed Climbing on Nets



Dr. Marilyn Segal, founder of the University School; M. R. (Cy) Young, chairman of the Board of Trustees of Nova University; Dr. Abraham S. Fischler, president of Nova University, and James Farquhar, vice-president of the Board of Trustees.

Photos by Larry Mallioux

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The Associated Press recently ran a story on the Sports Learning Program at The University School. Originally written by Pete Jeff, the story appeared in the Miami Herald on December 10th.

As a result, Lenny Tomasello and Jane Emerson have received inquiries from all over the country concerning the program.

The A.P. story which appeared in "The Christian Science Monitor" resulted in a call from the editors of "My Weekly Reader," of Xerox Educational Publications, Middletown, Connecticut.

"My Weekly Reader" will carry a story on the Sports Learning Center at The University School in a Fall issue. Their circulation? Over 11 million! Thank you Pete Jeff.

A SHARE WORKSHOP at The University School in February included a demonstration of DUSO puppets by Brenda Rifkin and Don Dinkmeyer, Jr. Over a dozen mini-workshops were held for teachers in Broward County public and private schools.



A TRUCK DAY for Lower House students at The University School was held in March on the Nova campus. Over a dozen vehicles showed up for the students to inspect as shown here. The event was part of a learning center initiated by Len Tomasello through which students applied math, reading and scientific skills.

Nova Offers Masters Program In Biological Sciences

A master's program in biological sciences will be offered by Nova University starting in September, Dr. Joel Warren, director of the Nova University Life Sciences Center, has announced.

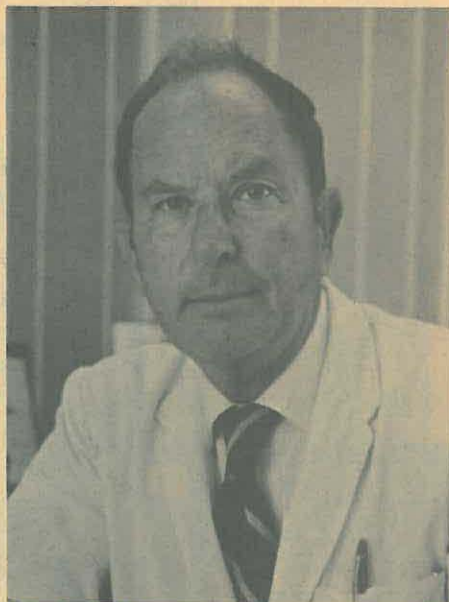
"The courses are designed for those who want to upgrade their technical skills, teachers, public health workers and specialists in pollution control and the environment.

"Nova is one of a very few institutions offering a sub-specialty for people specifically interested in cancer research. This is the first time such graduate courses have been offered in Broward County," he points out.

"A careful attempt has been made not to duplicate what is offered in neighboring universities," he adds.

Classes will be held in the Louis W. Parker Building and taught by the faculty of the Life Sciences Center and outside experts. They will be held in the late afternoon and evening to accommodate working students.

Professional experience will be accepted as credit toward the two-year program. Students may then go on to work toward a Ph.D in Biological Science with specialization in biochemistry, microbiology, experimental oncology and environmental science.



Dr. Joel Warren

A limited number of students may obtain on-the-job training through research and teaching assistantships. The Harold Kane Kaufman summer scholarship will provide \$500 to select medical or pre-medical students.

For further information, call 587-6660, Ext. 235.

Nova Participates in Chemo-Therapy Tests on Cancer Patients

Over the past three years the staff of the Leo Goodwin Institute has been studying the effects of anti-cancer drugs when they are given in conjunction with a simple chemical—dimethyl-sulfoxide.

It was found that rats fed small amounts of the chemical in their drinking water respond better to the drug than rats drinking untreated water.

The Food and Drug Administration has now given approval to a team com-

posed of scientists from Nova University and the University of Miami Medical School to test this combined chemotherapy in a group of 50 human tumor patients. These studies could be expanded if this pilot experiment yields encouraging results.

This will be the first time that Nova has participated in clinical studies with cancer patients.



ROYAL DAMES Wing of the Life Science Center was recently completed on the third floor of the Parker Building. Above, Dr. Joel Warren, Mrs. James Farquhar, vice-president of the Royal Dames of Nova University, and graduate student Devi Vembu in one of the new study carrels. At right, Dr. Warren shows Mrs. Farquhar new laboratory.



Nova/University School Co-sponsor Workshop Series

"Learning How To Learn" was the topic of a talk by Joseph Randazzo, headmaster of The University School, May 15th in a workshop series co-sponsored by Nova University and The University School. He discussed the optimum conditions in the home for a child to develop basic learning tools, and the need for order in a child's life.

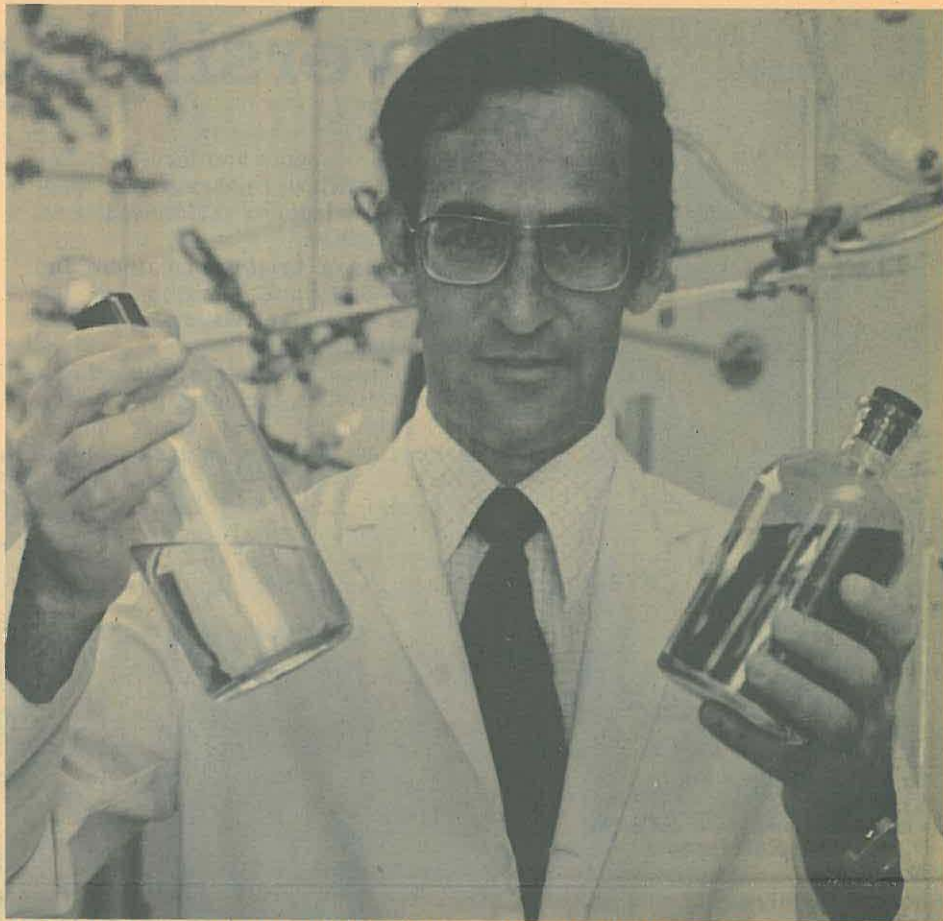
The final talk in the series will be "How To Make Your Husband Your Best Friend" with Dr. Ann Ruben, associate professor of counseling at Barry College, and Gershon Ruben, executive director at Temple Emanuel, Miami.

Previous talks were: "Learning Dis-

abilities—What Are They?" by Phyllis Friedman, "Information Night About Marriage Encounter," "Communicating With Teenagers" by Dr. Robert Ginsber, Hollywood psychologist; "Current Pediatric Thinking" by Dr. Edward Saltzman, Hollywood pediatrician; and "Abortion Update" by Ms. Joyce Tarnow, of Sigma Reproductive Health Center, Fort Lauderdale.

The talks are scheduled at 8:30 p.m. in the Mailman-Hollywood Auditorium, the same evening that the public is invited to attend free drop-in clinics on marriage, family and child-rearing from 6:30 to 8:30 p.m.

Dr. Jon Carlson is director of the series.



Dr. Murry Tamers With Industrial Chars and Synthetic Benzene

Tamers Hopes To Help Cut Dollar Drain To Arabs

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In addition to synthetic benzene he suggests that Americans decrease the present importation of seven million barrels a day by another million through conservation and use of smaller automobiles. Another two or three million barrels could be saved through other coal liquification processes.

"The petroleum import to this country should never be more than 10 to 15 per cent of the total we use," he says; "otherwise it's an insupportable national security danger.

"I think we could reduce the price of benzene so that in an optimistic situation we can imagine producing this gasoline extender at a comparison price of about 20 cents a gallon, using 100 per cent American products and nothing that is in potential short supply," says Tamers.

"I should say that our process is absolutely environmentally acceptable. All intermediate products are recycled and the cost of this is included in my calculation for the total price.

"What I need now is \$8-million for the pilot plant, to demonstrate the feasibility of the method," says Dr. Tamers.

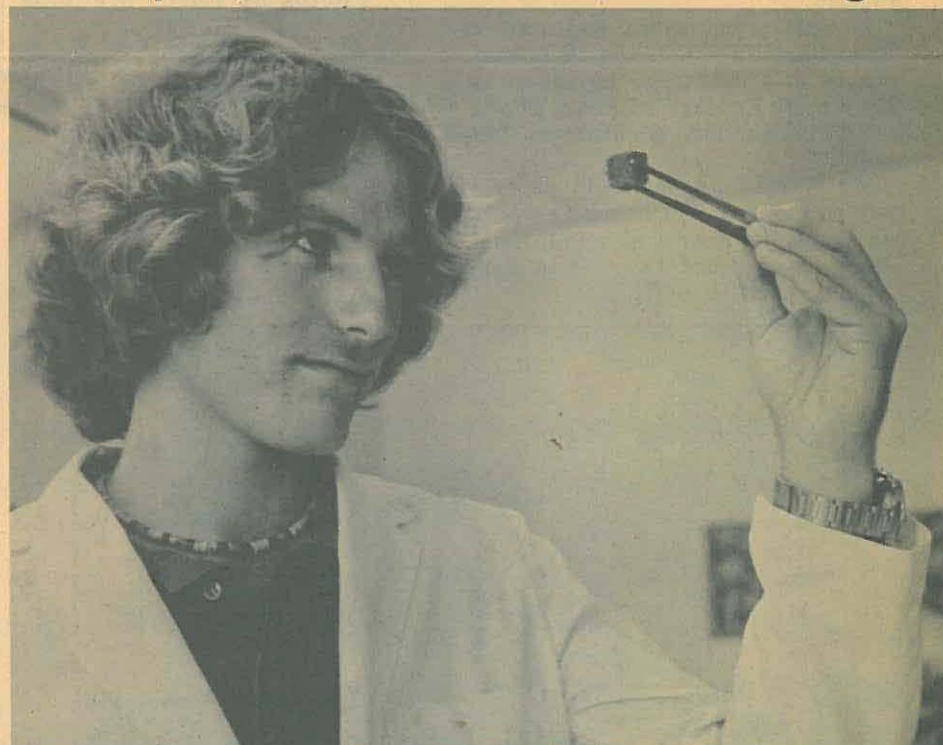
"Eventually, a large size commercial installation would be on the order of \$300-million.

"I don't know if \$8-million sounds like a lot, but perhaps you should compare it with the cost of one fighter plane or the fact that \$8-million is what we pay every three hours of every day to import petroleum into this country.

"We are sending out of the country every day something like \$70-million only for petroleum. "So even the \$300 million I am talking about for a future plant is equivalent to maybe four days of what we are already spending to import petroleum."

Dr. Tamers, 41, a native of Pittsburgh, has also experimented with the creation of synthetic food from limestone rocks. He holds degrees from Princeton, Yale and the Sorbonne in Paris, and is the author of over 60 publications in recognized scientific journals, many of them concerning synthetic benzene. He has been associate professor of physical chemistry at Nova University since 1973.

Gary Kirk Wins Early Acceptance To Bowdoin College



Gary Kirk, 18, a senior at The University School of Nova University, has received early acceptance at Bowdoin College, Headmaster Joseph Randazzo has announced.

Last year only 16 per cent of the applicants to the Ivy League College in Brunswick, Maine were accepted, compared with 17 per cent at Harvard and 24 per cent at Yale.

The son of Mr. Donald Kirk of Saddle River, New Jersey and Mrs. Suzanne Saunders of Fort Lauderdale, Kirk has

worked at Nova University's Life Sciences Center in experiments with a synthetic food carbohydrate. The project was undertaken by the straight-A student in a program called Walkabout, through which top University School students work in their fields of special interest.

Kirk has also been on the school chess club, judicial board, football team, has taught 12th grade calculus, worked in aquaculture projects and with the Neighborhood Youth Corps.

Helen Graham Looks Back At Nova's Past Ten Years

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new university for a Ph. D. Imagine their shock, frustration, doubt, on arriving at some old offices on Las Olas. This is Nova University?! What did I come to?? Of course, we had hoped to be in the Rosenthal Building on campus before they arrived. Believe me, it took some convincing to dispell their fears.

Then we moved to the Rosenthal Building in late August of 1967. No air conditioning! No windows to open — only one door on the second floor where the offices were located. Oh, those were the days. But we were building a University and the excitement of helping to make it grow, to see students and faculty finally arrive on campus made those days of doing without well worth it.

I also remember when the Mailman Building was being constructed. Dr. Fischler gave me a very pleasant task — working with the architects in choosing the carpeting, draperies and colors for the building. Then he allowed me to choose the furniture. A representative from Steelcase and I worked room by room choosing all the furnishings. Of course, Colonel Berry, our Purchasing Agent was always hovering nearby to see that I didn't get carried away. What fun it was to spend that kind of money.

I could tell you lots of little anecdotes but the above should be enough. I was about the fifth employee on the Nova payroll and now that the first four are no longer here, I guess that puts me on the top of a list of some kind.

We have come a long way and Nova University is an established university because of the loyalty of our Trustees, our friends and donors, our staff and faculty and students, and latterly the generous support of New York Tech. But we must continue to grow and I believe that for that continued growth it will take the same spirit of commitment and the same dedication that was evident in the early years.

So I leave it to someone else; someone just arriving, who will, no doubt, look back from 1985 to 1975 and talk about the good old days.

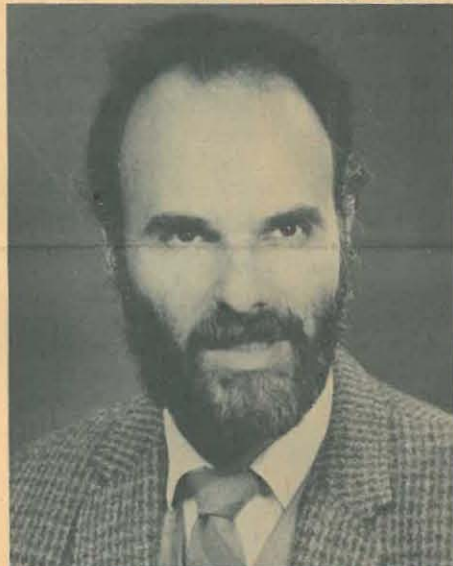
Dr. Norman Kagan Visits Nova To Discuss "IPR"

Dr. Norman Kagan, professor at Michigan State University in psychology, education and medicine visited Nova University on March 10th to discuss his revolutionary "IPR" training.

"Interpersonal recall" is a technique which combines counseling skills, learning theory, media therapy and bio-feedback to help people grow.

Dr. Kagan met with students and the interested public in the Mailman-Hollywood Auditorium.

An international consultant who has applied his methods in working with American policemen, hard core criminals, drug addicts, medical doctors, New Guinean teachers, etc. Dr. Kagan holds



degrees from Queens College, Bank Street College of Education and New York University.

In addition to articles in scholarly publications, his work has been reported in Life Magazine and on BBC television. Dr. Kagan has been guest lecturer at 30 universities, served as consultant with the Department of Health, Education and Welfare on Guidance and Counseling Institutes and worked with the World Health Organizations in Europe and the Pacific.



Judge Arthur Franza Law School Benefactor

Judge Arthur J. Franza, a resident of Hollywood since 1954, was installed as a charter member of the Dean's List of Honored Benefactors of Nova Law School. Judge Franza, who was appointed to the Broward County Circuit Court in 1970, has donated his entire law library to the Law School.

Presenting the scroll is Dr. Abraham S. Fischler, president of Nova University; looking on is August C. Paoli, chairman of fund raising drive to provide expanded facilities for the Center for the Study of Law.

The Law School opened in September, 1974 with 180 students (900 applications were processed). Funds are being sought to provide classrooms, a library, faculty offices and study and meeting facilities on 20,000 square feet for the second floor of the Louis W. Parker Physical Sciences Building, to meet the demands of second class admission in September 1975, with a total enrollment of 450 expected by September 1976. Also, this extra space is needed to satisfy the standards set for accreditation by the American Bar Association.

will have been absorbed by the end of the year.

Novak observed that manufacturing employment now exceeds that of construction and urged continued support of industrial development. For every 1,000 jobs that are created in industry, he pointed out, another 600 are created in the trade and service fields.

Harold C. Satchell, president of the First National Bank in Hollywood and president-elect of the Hollywood Chamber of Commerce, moderated a portion of the Conference. University Board Chairman M. R. Young and President Abraham S. Fischler spoke informally.

Although a second session of the Conference had not been planned for the immediate future, the participants agreed that another should follow soon.

Accordingly, a second session has been scheduled for April 25, this one to be devoted to examination of bills currently in the Florida Legislature that might affect Broward business and industry or the economy.

Speakers representing the various segments are being invited to present analyses of bills about which they are concerned. Up-dated reports on the state of the local economy also will be presented.

Speakers Bureau Available

The Speakers Bureau of Nova University is being updated by the Office of Public Affairs. So far, the following faculty members have recorded their availability and topics:

Dr. Richard H. Bell, Humanizing Education through Technology, Electronic Routes to Learning;

Dr. Jon Carlson, Education, Psychology;

Dr. Abraham S. Fischler, Nova University and The Behavioral Sciences Center, Educational Change;

Dr. John M. Flynn, Living and Learning Center, Human Learning;

Ms. Debbi Glass, Humanities (Philosophy and Art);

Mr. Chuck Heinrich, New York Institute of Technology;

Mr. William Howland, Gnotobiology-Controlled Environment;

Dr. Samuel Humes, Urban Problems and Government, Nova's Public Administration Program;

Dr. Laurence Hyde, Judicial Administration, Legal Education;

Dr. Willard Leeds, Development Research in Latin America, Nova's Programs and Activities in International Areas;

Dr. William A. Love, Jr., Biofeedback and Hypertension;

Dr. Michael Palmer, Behavioral Modification;

Dr. Raymond Porter, The Body's Defenses Against Cancer, The Everglades: An Overview, Ecology of Sub-Tropical Florida;

Mr. Joseph Randazzo, The University School as a Laboratory for Research and Innovation, Contemporary Educational Issues;

Professor Bruce Rogow, Criminal Justice Problems, The Supreme Court and the Constitution;

Dr. Marilyn Segal, Early Childhood Education, Infancy;

Dr. Murry Tamers, Synthetic Gasoline;

Dr. Martin I. Veiner, Management Training and Development, Organization Development, Economy;

Dr. Mark Wimbush, Global Tides, Oceanic Turbulence.

Members of the community interested in obtaining a speaker are invited to call 587-6660, Extension 243.

Young Republicans Raise Funds For Law Library

The Young Republican Club of Broward County recently completed a fund raising drive in behalf of the law library expansion program at Nova University. The donation totaled \$1015.

The drive included a wine and cheese tasting party on May 2, following a six-week effort on the part of the club. No money went to the Republican Party.

Following the presentation of the money to the University a public challenge was issued to the Democratic party to match the contribution made by the Young Republicans.

Business Community Participates In Conference cont. from page 1



Dr. Paul Erdman Addresses Conference In Library

Board; Phyllis Finney, marketing director of Jackson Building Components and vice president of the Florida Home Builders Association; Patricia McGrath, regional sales manager for Jordan Marsh; Peter Henne, chief regional forecaster for Southern Bell and three economists — Robert Busbey of First Federal, Scott Gettemy of United Federal and John Gabel of the Broward Banks and Gabel Research.

Dr. Paul Erdman was guest speaker at luncheon, which was held in the Behavioral Sciences Library. An authority on the world monetary scene, Erdman warned about the \$80-billion annual drain for oil, and the military build up by the Shah of Iran on the Persian Gulf.

Dr. Murry Tamers, associate professor of chemistry at Nova University, then told the group about the synthetic benzene he has developed which could be used as a gasoline extender and help reduce the dollar drain from this country.

In general, there was agreement that new families are continuing to move into the county at the rate of about 27,000 a year, and it is reasonable to think that most of the county's surplus housing



Dr. Tamers Chats With Mr. Otto Burkhardt



"BITS AND PIECES," an entertainment of drama, song and dance, was presented by the Performing Arts Group of The University School of Nova University in April. The drama included an adaptation of "Charles" by Eva Pomice, 14, and a short morality play, "Playing The Game," by David Ganon, 12. Song and dance numbers rounded out the program, which was under the direction of Neil Martin.

'This Is Nova' Radio Broadcasts

March broadcasts of "This Is Nova University: A New Way of Learning," Sunday evenings at 8, on WGMA-AM (1320) Hollywood, included:

Dr. Carl Ludeke of the Oceanographic Laboratory on the scientist's role in society;

Prof. Len Tomasello and Ms. Jane Emerson of The University School on the SHARE Workshop and Sports Learning Center;

Murray Heyert and Sam Kaylin of the Center for Professional Development on

practicums in the National Ed.D. Program; and

Dr. Fred A. Nelson, Vice President for Administration, on the third era in education.

April broadcasts were:

Dr. Murry Tamers of Life Sciences on synthetic gasoline;

Dr. Edward Saltzman, Hollywood pediatrician with an update on the pediatric practice;

Broward County Commissioner Jack Moss, Hallandale City Manager Skip Johnson and Dr. George A. Graham on public administration, and

Dr. Paul Erdman, author-economist, on the world monetary crisis.

The radio shows were taped in Nova's TV laboratory under the direction of Dr. Richard Bell, with Prof. Tom Baynes as moderator.

Medical Malpractice Topic Of Nova Law Forum

Lawyers and doctors of the Broward community discussed medical malpractice lawsuits in another Nova University Law Forum on April 23 at Holy Cross Hospital.

The discussion, led by a panel representing both groups, focused on "Alternative Methods of Adjudicating Medical Malpractice Cases."

Thomas E. Baynes, Jr., assistant professor of law at Nova University, coordinated the program.

The Forum was open to interested members of the public and sponsored jointly by the Broward County Trial Lawyers Association and the Broward County Medical Association.

Serving on the panel were Dr. James Perry of Fort Lauderdale; William Stafford, executive director of the Broward County Medical Association; Sheldon J. Schlesinger, Hollywood attorney; Circuit Court Judge Raymond Hare, and Bernard Welch, administrator for the North Broward Hospital District.

Stafford commented on the alternative methods that have been proposed for adjudicating malpractice cases, Dr. Perry on the physician's viewpoint, Schlesinger on the attitude of the plaintiff's attorney, Welch on the hospital viewpoint, and Judge Hare on the possible effects of the various methods on the judiciary.

The Law Forum was launched by the University last fall, with an appearance by Tom Clark, former Associate Justice of the United States Supreme Court.



Judith Schreiberman At Top Of Law Class

A 3.64 average (out of a possible 4.0) at the end of the first semester put Judith Schreiberman at the top of the class in the Nova University Center for the Study of Law.

Six other women, of a total of 24 female students, placed in the top 10 per cent of Nova's charter law class, after mid-term examination.

A resident of North Miami Beach, Mrs. Schreiberman, 27, came to Nova from Florida International University, where she was the only psychology major to graduate with honors. Before F.I.U., she had attended Roosevelt University in Chicago.

"I started my education in a one-room school house in the farm district of Southern Wisconsin. Actually, it was my husband's idea for me to go to college," says Mrs. Schreiberman, who had worked in his Miami record company. Previously, she had been employed as a legal and medical secretary.

"I'm not a women's libber," she points out. "I haven't been discriminated against enough to experience a need for it, but I think the women here are more than capable and they are more serious and work harder than the male students, from what I have seen."

When not pursuing her studies (she likes research and her classes in property law and civil procedure best), Mrs. Schreiberman enjoys ceramics, chess and scuba diving.

Other law students in the top 10 percentile include: Nita Bell, Gregory Cochran, Jim Cunningham, Christopher DeBeck, Robert Duncel, Kathleen Finkel, Neil Garfield, Howard Greitzer, Alexander Grief, Edward Kind, Joel Lazerus, Susan Lewis, Ronald Lubel, Joe Lynch, Joan Melvin, Mitchell Polansky, Mary Ann Scherer, Randall Silverberg, Jeffrey Thistle, Young Tindall and Mark Wolff.

POOL PARTY SET

A pool party and pot luck for the Nova University and The University School faculties, staffs and students and their families will be held Saturday, June 7th, at The University School pool complex. Please put it on your calendar and watch for future notices.

Tree Spree Brightens Entrance To Parker Building



Sam Freed, Virginia Warren, Dr. Joel Warren and Mike Twist

The entrances of the driveway leading to Nova's Parker Building are now landscaped, thanks to a "Tree Spree" on March 6th headed by Dr. Raymond Porter's Nursery Committee.

Thirty-eight volunteers planted seven acacia, four jambolam, twenty mahogany and two umbrella trees.

Cactus, agave and philodendron were also planted in rock-decorated flower beds.

Dr. Porter and his committee are now looking for two wheelbarrows or wheeled carts, some large watering hoses, a metal tool shed, shade trees small enough to be moved by pick-up trucks and donations of money to purchase seedlings.



Time out for refreshments



Dr. Raymond Porter, Bill Howland, Dr. Doil Montgomery and Sam Freed Plant Eucalyptus Trees